

U.S. Appl. No. 09/672,154  
Reply to Office Action Dated 12/29/2005

PATENT  
450100-02733

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### REMARKS

Favorable reconsideration of the application is respectfully requested in light of the amendments and remarks herein.

Upon entry of this amendment, claims 1-4 and 6-14 will be pending. By this amendment, claims 1 and 9 have been amended. No new matter has been added.

### §112 Rejection of Claims 1-4 and 6-14

In Section 2 of the Final Office Action dated December 29, 2005 (hereinafter referred to as "Office Action"), claims 1-4 and 6-14 stand rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description. Independent claims 1 and 9 have been amended accordingly and should therefore now be allowable. Further, since claims 2-4 and 6-14 depend from one of claims 1 and 9, claims 2-4 and 6-14 should also be allowable.

Accordingly, it is submitted that the rejection of claims 1-4 and 6-14 based upon 35 U.S.C. §112, first paragraph has been overcome by the present remarks and withdrawal thereof is respectfully requested.

### § 103 Rejection of Claims 1-4 and 6-14

In Section 4 of the Office Action, claims 1-4 and 6-14 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Dunn (U.S. Patent No 5,945,987; hereinafter referred to as "Dunn") in view of Wheeler (U.S. Pre Grant Publication No. 2001/0056478; hereinafter referred to as "Wheeler"). Claims 1 and 9 have been amended to address the rejection.

In the Background section of the Specification, it was disclosed that "[i]n the case of digital satellite broadcasting, the number of channels is very large, and a single channel provides

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many programs . . . . A viewer is thus required to have special skills in order to appropriately select a desired broadcast program from among such a huge number of broadcast programs, and it is often difficult for the viewer to retrieve a desired broadcast program.” *Background of the Specification, page 1, lines 15–22.* (emphasis added) “In order to select the appropriate program, the EPG data is searched for the appropriate program using a keyword. In general, retrieval using a keyword, and particularly ambiguous retrieval, demands a large database and fast processing. In consideration of the expense, it is substantially impossible for an individual to perform such retrieval.” *Background of the Specification, page 2, lines 13–19.*

“Therefore, the viewer is connected to a broadcast program retriever via communication lines such as telephone lines. The viewer gives a keyword for retrieving a desired broadcast program to the broadcast program retriever. The broadcast program retriever searches for the desired program and provides the viewer with information on the retrieval results. When the viewer receives the entirety of the information on the retrieval results via the telephone lines and the like, detailed information on the broadcast program is generally transmitted, thus requiring a long communication period, which is expensive.” *Background of the Specification, page 2, line 20 to page 3, line 6.*

To solve this problem, embodiments of the present invention provide broadcast program retrieval system and method for retrieving a desired broadcast program more efficiently among a plurality of broadcast programs. For example, the structure of system claim 1, as presented herein, includes:

a data server including a database configured to receive and store broadcast program information, and at least one function for searching the broadcast program information, which includes at least one program retrieval identification code and other information related to broadcast programs; and

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*a user server* configured to receive and store the broadcast program information, said user server operating to send to the data server at least one content keyword for searching the broadcast program information for the desired broadcast program, said user server operating to receive from the data server only a select number of program retrieval identification codes related to said at least one content keyword as a result of the searching by the data server,

wherein said broadcast program information stored on said data server is identical to said broadcast program information stored on said user server,

wherein the select number of program retrieval identification codes received from the data server enables said user server to retrieve a select number of broadcast program information stored in the user server, and allows a user to review the select number of broadcast program information and to select the desired broadcast program from among a select number of broadcast programs corresponding to the reviewed select number of broadcast program information, said broadcast programs broadcast by digital satellite.

(emphasis added)

Accordingly, in one aspect the structure of system claim 1 includes a data server that stores broadcast program information; and a user server that stores broadcast program information, operating to receive from the data server only a select number of program retrieval identification codes related to the content keyword as a result of the searching by the data server. The select number of program retrieval identification codes allows a user to review the select number of broadcast program information and to select the desired broadcast program from among a select number of broadcast programs corresponding to the reviewed select number of broadcast program information, where the broadcast programs are broadcast by digital satellite. As stated in the Specification, "the broadcast program BP is broadcast by the digital satellite 13. A receiver 16 in a user server 14 receives the broadcast program BP through a receiving antenna 15. Simultaneously, a receiver 19 in a data server 17, that is, a broadcast program retriever,

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receives the broadcast program BP through a receiving antenna 18." *Specification, page 7, line 24 to page 8, line 4.* (emphasis added)

By contrast, Dunn teaches an interactive entertainment network system including "a high-speed, high-bandwidth fiber optic cable network 32 coupled to regional distribution nodes." *Dunn, Col. 4, lines 63-64.* (emphasis added) Dunn thus fails to teach or suggest broadcast programs that are broadcast by digital satellite. As to Wheeler, the Office Action states "Wheeler discloses a system comprising a user server storing data identical to the data on the data server, wherein the user server operative to receive from the data server only a select number of program retrieval identification codes (URL) related to a query result (i.e. request for webpage containing information), wherein the select number of program retrieval identification codes (i.e. URL) received from the data server enables the user to retrieve the broadcast program information (see [0012] and [0028]) for review." *Office Action, page 4, lines 10-16.* Wheeler, also, thus fails to teach or suggest broadcast programs that are broadcast by digital satellite. Dunn and Wheeler, individually or in combination, therefore fail to teach or suggest a broadcast retrieval system, as provided by embodiments of the present invention, wherein the broadcast programs are broadcast by digital satellite. (emphasis added)

Based on the foregoing discussion, it is maintained Dunn and Wheeler, individually or in combination, fail to teach or suggest all the limitations recited in claim 1. Claim 1 should therefore be allowable over Dunn and Wheeler. Since independent claim 9, as amended herein, parallels and includes substantially similar limitations as claim 1, claim 9 should also be allowable over Dunn and Wheeler. Further, since claims 2-4 and 6-8 depend from claim 1, and claims 10-14 depend from claim 9, claims 2-4, 6-8, and 10-14 should also be allowable over Dunn and Wheeler.

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Accordingly, it is submitted that the rejection of claims 1-4 and 6-14 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

**CONCLUSION**

In view of the foregoing, entry of this amendment, and the allowance of this application with claims 1-4 and 6-14 are respectfully solicited.

In regard to the claims amended herein and throughout the prosecution of this application, it is submitted that these claims, as originally presented, are patentably distinct over the prior art of record, and that these claims were in full compliance with the requirements of 35 U.S.C. §112. Changes that have been made to these claims were not made for the purpose of patentability within the meaning of 35 U.S.C. §§101, 102, 103 or 112. Rather, these changes were made simply for clarification and to round out the scope of protection to which Applicant is entitled.

In the event that additional cooperation in this case may be helpful to complete its prosecution, the Examiner is cordially invited to contact Applicant's representative at the telephone number written below.

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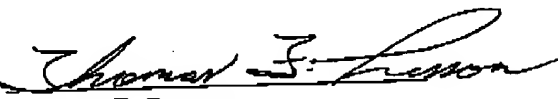
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The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account 50-0320.

Respectfully submitted,

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